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Committee on the Peaceful Uses of Outer Space

Information furnished in conformity with the Convention on Registration of Objects Launched into Outer Space

Note verbale dated 2 May 2018 from the Permanent Mission of Japan to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of Japan to the United Nations (Vienna), in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution 3235 (XXIX), annex), has the honour to transmit information on space objects launched by Japan (see annex I) and the change of status of previously registered space objects (see annex II).

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Annex I

Registration data on space objects launched by Japan*

2017-015A

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2017-015A
National designator	2017-015A
State of registry	Japan
Date and territory or location of launch	17 March 2017 UTC; Tanegashima Space Center, Kagoshima Prefecture, Japan
Basic orbital parameters	
Nodal period	95 minutes
Inclination	97.4 degrees
Apogee	514 kilometres
Perigee	496 kilometres
General function of space object	Satellite conducting missions assigned by the Government of Japan

Kirameki 2gou

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2017-005A
Name of space object	Kirameki 2gou
National designator	2017-005A
State of registry	Japan
Date and territory or location of launch	24 January 2017 at 0744 hours 0 seconds UTC; Tanegashima Space Center, Kagoshima Prefecture, Japan
Basic orbital parameters	
Nodal period	1,436 minutes
Inclination	0.026 degrees
Apogee	35,795 kilometres
Perigee	35,781 kilometres
General function of space object	Communications

* The information was submitted using the form prepared pursuant to General Assembly resolution 62/101 and has been reformatted by the Secretariat.

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Ministry of Defence of Japan
Launch vehicle	H-IIA Launch Vehicle Flight No. 32 (H-IIA-32F)
Other information	Launching organizations are Mitsubishi Heavy Industries, Ltd., and the Japan Aerospace Exploration Agency

CE-SAT-I

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2017-036E
Name of space object	CE-SAT-I
National designator	2017-036E
State of registry	Japan
Other launching States	India
Date and territory or location of launch	23 June 2017 at 0359 hours 0 seconds UTC; Satish Dhawan Space Centre, Sriharikota, India
Basic orbital parameters	
Nodal period	95 minutes
Inclination	97 degrees
Apogee	526 kilometres
Perigee	500 kilometres
General function of space object	Technical demonstration of Earth observation

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Canon Electronics, Inc.
Launch vehicle	PSLV-C38

WNISAT-1R

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2017-042L
Name of space object	WNISAT-1R
National designator	2017-042L
State of registry	Japan
Other launching States	Russian Federation

Date and territory or location of launch	14 July 2017 at 0036 hours 0 seconds UTC; Baikonur Cosmodrome, Kazakhstan
Basic orbital parameters	
Nodal period	97 minutes
Inclination	97.6 degrees
Apogee	604 kilometres
Perigee	585 kilometres
General function of space object	Monitoring of sea ice in the Arctic Sea and other areas, volcanic ash and typhoons

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Weathernews Inc.
Launch vehicle	Soyuz launch vehicle

STARS-C (Hagoromo)

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	1998-067KR
Name of space object	STARS-C (Hagoromo)
National designator	1998-067KR
State of registry	Japan
Date and territory or location of launch	19 December 2017 at 1750 hours UTC; International Space Station
Basic orbital parameters	
Nodal period	92.7 minutes
Inclination	51.6 degrees
Apogee	6,785 kilometres
Perigee	6,779 kilometres
General function of space object	To verify the deployment of a space tether in orbit
Date of decay/reentry/deorbit	2 March 2018 at 1456 hours UTC

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Shizuoka University
Website	http://stars.eng.shizuoka.ac.jp/starsc.html (in Japanese)
Other information	Date of launch is the date of deployment from the International Space Station

Asnaro-2

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2018-007A
Name of space object	Asnaro-2
National designator	2018-007A
State of registry	Japan
Date and territory or location of launch	17 January 2018 at 2106 hours 11 seconds UTC; Uchinoura Space Center, Kagoshima Prefecture, Japan
Basic orbital parameters	
Nodal period	94.7 minutes
Inclination	97.4 degrees
Apogee	516 kilometres
Perigee	506 kilometres
General function of space object	Earth observation satellite

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	NEC Corporation
Launch vehicle	Epsilon Launch Vehicle No. 3

2018-021A

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2018-021A
National designator	2018-021A
State of registry	Japan
Date and territory or location of launch	27 February 2018 UTC; Tanegashima Space Center, Kagoshima Prefecture, Japan
Basic orbital parameters	
Nodal period	95 minutes
Inclination	97.4 degrees
Apogee	513 kilometres
Perigee	498 kilometres
General function of space object	Satellite conducting missions assigned by the Government of Japan

Global Change Observation Mission — Climate "Shikisai" (GCOM-C)

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2017-082A
Name of space object	Global Change Observation Mission — Climate "Shikisai" (GCOM-C)
National designator	2017-082A
State of registry	Japan
Date and territory or location of launch	23 December 2017 at 0126 hours 22 seconds UTC; Tanegashima Space Center, Kagoshima Prefecture, Japan
Basic orbital parameters	
Nodal period	101 minutes
Inclination	98.7 degrees
Apogee	806.3 kilometres
Perigee	789.9 kilometres
General function of space object	GCOM-C is carrying the Second Generation Global Imager (SGLI), a multi-band optical imaging radiometer with 19 spectral channels. SGLI can measure light intensity from near ultraviolet to thermal infrared (380 nm to 12 μm) radiation emitted from the Earth. Using SGLI to conduct global and long-term observations of clouds, aerosols, ocean colour, vegetation, snow and ice, and other components can help elucidate the mechanism behind fluctuations in the radiation budget and carbon cycle, which is needed to make accurate projections regarding future temperature increases.

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Japan Aerospace Exploration Agency
Launch vehicle	H-IIA Launch Vehicle Flight No. 37 (H-IIA-37)
Other information	Basic orbital parameters are those as at 19 January 2018
	Launching organizations are Mitsubishi Heavy Industries, Ltd., and the Japan Aerospace Exploration Agency

Super Low Altitude Test Satellite "Tsubame" (SLATS)

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2017-082B
Name of space object	Super Low Altitude Test Satellite "Tsubame" (SLATS)
National designator	2017-082B
State of registry	Japan
Date and territory or location of launch	23 December 2017 at 0126 hours 22 seconds UTC; Tanegashima Space Center, Kagoshima Prefecture, Japan
Basic orbital parameters	
Nodal period	94.9 minutes
Inclination	98.3 degrees
Apogee	564.6 kilometres
Perigee	461.2 kilometres
General function of space object	SLATS will demonstrate the technology for orbit control at super low altitudes using ion engine technology developed by the Japan Aerospace Exploration Agency. Technical data acquired by SLATS related to the atmosphere will also be used for the design of future satellites. Furthermore, SLATS will photograph the Earth, and its technology will be evaluated with regard to future Earth observation satellites.

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Japan Aerospace Exploration Agency
Launch vehicle	H-IIA Launch Vehicle Flight No. 37 (H-IIA-37)
Other information	Basic orbital parameters are those as at 25 January 2018
	In the future, orbit control operations will be used to lower the altitude sequentially
	Launching organizations are Mitsubishi Heavy Industries, Ltd., and the Japan Aerospace Exploration Agency

Annex II

Change of status of space objects previously registered by Japan*

Data Relay Test Satellite (DRTS) "Kodama"

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2002-042B
Name of space object	Data Relay Test Satellite (DRTS) "Kodama"
State of registry	Japan
Registration document	ST/SG/SER.E/425
Date and territory or location of launch	10 September 2002 at 0820 hours UTC; Tanegashima Space Center, Kagoshima Prefecture, Japan
Basic orbital parameters	
Nodal period	1,451.1 minutes
Inclination	5.1 degrees
Apogee	36,089.6 kilometres
Perigee	36,070.8 kilometres
General function of space object	The main objective of DRTS is to conduct inter-satellite communications experiments to relay data between the target spacecraft and ground stations. The satellite is located over 90.75 degrees East.

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Geostationary position	90.75 degrees East
Change of status in operation	
Date when space object is no longer functional	5 August 2017 at 0545 hours 0 seconds UTC
Date when space object is moved to a disposal orbit	3 August 2017 UTC
Physical characteristics when space object is moved to a disposal orbit	The space object was moved to a disposal orbit between 31 July 2017 UTC and 3 August 2017 UTC and terminated on 5 August 2017 UTC
Space object owner or operator	Japan Aerospace Exploration Agency
Launch vehicle	H-IIA Launch Vehicle Flight No. 3 (H-IIA-3)
Website	http://global.jaxa.jp/projects/sat/drts/
Other information	Basic orbital parameters of the disposal orbit were determined on 3 August 2017 UTC

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2006-037A

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2006-037A
National designator	2006-037A
State of registry	Japan
Registration document	ST/SG/SER.E/552
Date and territory or location of launch	11 September 2006 UTC; Tanegashima Space Center, Kagoshima Prefecture, Japan
Basic orbital parameters	
Nodal period	94 minutes
Inclination	97.3 degrees
Apogee	502 kilometres
Perigee	485 kilometres
General function of space object	Satellite conducting missions assigned by the Government of Japan
Date of decay/reentry/deorbit	29 October 2016 UTC